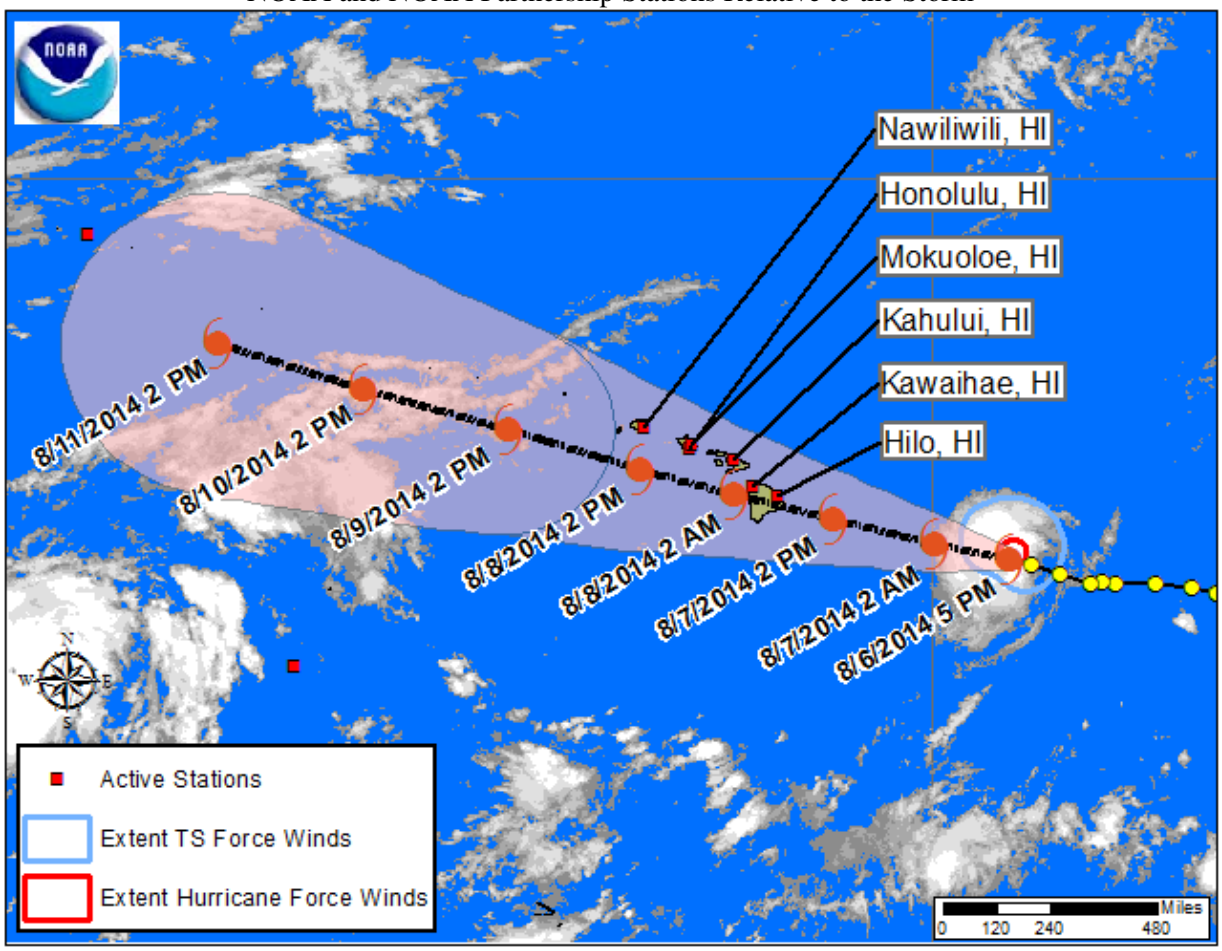
Hurricane ISELLE QuickLook
Posted: 18:00 HST 08/06/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/06/2014 18:00 HST, water levels across the Hawaiian Islands are at or near normal tide levels. Winds are steady, with gusts between 10 and 25 knots over the past 6 hours. Barometric pressure continues to follow the normal diurnal cycle.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: CMF

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ISELLE ADVISORY NUMBER 28
500 PM HST WED AUG 06 2014

...ISELLE REMAINS A DANGEROUS HURRICANE AS IT APPROACHES HAWAII...

WATCHES AND WARNINGS

CHANGES IN WATCHES AND WARNINGS WITH THIS ADVISORY...

A TROPICAL STORM WARNING HAS BEEN ISSUED FOR OAHU AND A TROPICAL STORM WATCH HAS BEEN ISSUED FOR KAUAI COUNTY.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...
* HAWAII COUNTY

A TROPICAL STORM WARNING IS IN EFFECT FOR...
* MAUI COUNTY...INCLUDING THE ISLANDS OF MAUI...MOLOKAI...LANAI...AND KAHOOLAWE.
* OAHU

A TROPICAL STORM WATCH IS IN EFFECT FOR...
* KAUAI COUNTY INCLUDING THE ISLANDS OF KAUAI AND NIIHAU.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION. A WARNING IS TYPICALLY ISSUED 36 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL STORM FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE SOMEWHERE WITHIN THE WATCH AREA WITHIN THE NEXT 48 HOURS.

INTERESTS IN THE NORTHWEST HAWAIIAN ISLANDS SHOULD MONITOR THE PROGRESS OF ISELLE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 PM HST THE EYE OF HURRICANE ISELLE WAS LOCATED ABOUT 515 MI ESE OF HILO HAWAII AND ABOUT 720 MI ESE OF HONOLULU HAWAII. ISELLE IS MOVING TOWARD THE WEST-NORTHWEST NEAR 18 MPH AND THIS MOTION IS EXPECTED TO CONTINUE FOR THE NEXT 48 HOURS. ON THE FORECAST TRACK...THE CENTER OF ISELLE IS EXPECTED TO PASS VERY NEAR OR OVER THE BIG ISLAND THURSDAY NIGHT...AND PASS JUST SOUTH OF THE

SMALLER ISLANDS FRIDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 90 MPH WITH HIGHER GUSTS. SOME WEAKENING IS FORECAST DURING THE NEXT 48 HOURS. HOWEVER...ISELLE IS STILL EXPECTED TO BE NEAR HURRICANE STRENGTH AS IT PASSES NEAR OR OVER THE BIG ISLAND.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 45 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 982 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED ON THE BIG ISLAND OF HAWAII THURSDAY...WITH HURRICANE CONDITIONS EXPECTED THURSDAY NIGHT. TROPICAL STORM CONDITIONS ARE EXPECTED FOR PORTIONS OF MAUI COUNTY THURSDAY NIGHT...AND FOR OAHU LATE THURSDAY NIGHT AND FRIDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE FOR KAUAI COUNTY ON FRIDAY.

SURF...SWELLS GENERATED BY ISELLE WILL CONTINUE TO BUILD ALONG EAST FACING SHORES TONIGHT. VERY LARGE...DAMAGING SURF IS EXPECTED ALONG MAINLY EAST AND SOUTH SHORES STARTING LATE TONIGHT OR THURSDAY.

RAINFALL...RAINFALL TOTALS OF 5 TO 8 INCHES...WITH ISOLATED MAXIMUM AMOUNTS TO 12 INCHES...ARE EXPECTED ALONG THE TRACK OF ISELLE. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AS WELL AS ROCK AND MUD SLIDES.

STORM SURGE...THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

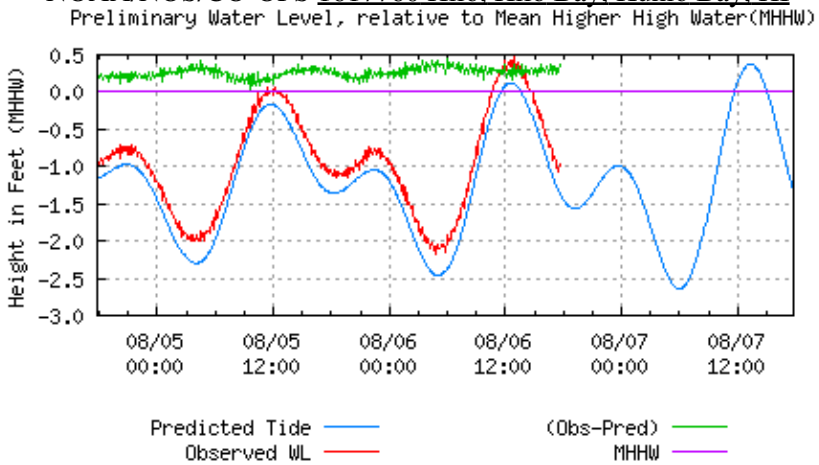
BIG ISLAND WINDWARD AND KAU...1 TO 3 FT

THE HIGHEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. THE SURGE WILL BE ACCOMPANIED BY LARGE AND DAMAGING WAVES. SURGE RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES.

FORECASTER R BALLARD

Jump to: Hilo, Hilo Bay, Kuhio Bay - Water Level, Hilo, Hilo Bay, Kuhio Bay - Winds, Hilo, Hilo Bay, Kuhio Bay - Barometric, Kawaihae - Water Level, Kawaihae - Winds, Kahului, Kahului Harbor - Water Level, Kahului, Kahului Harbor - Winds, Kahului, Kahului Harbor - Barometric, Mokuoloe - Water Level, Mokuoloe - Winds, Mokuoloe - Barometric, Honolulu - Water Level, Honolulu - Winds, Honolulu - Barometric, Nawiliwili - Water Level

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



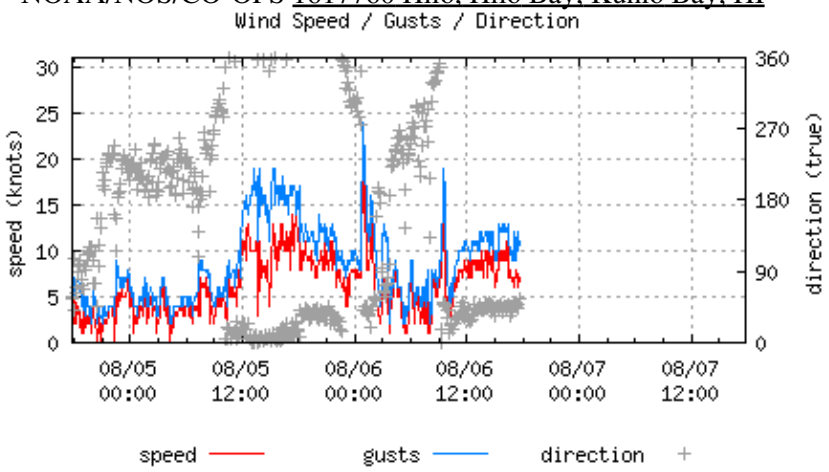
Last Observed Sample: 08/06/2014 17:42 (HST). Data relative to MHHW

Observed: -1.17 ft. Predicted: -1.38 ft. Residual: 0.21 ft.

Historical Maximum Water Level: Jan 20 1981, 1.37 ft.

Next High Tide: 08/06/2014 23:41 (HST), -0.99 ft.

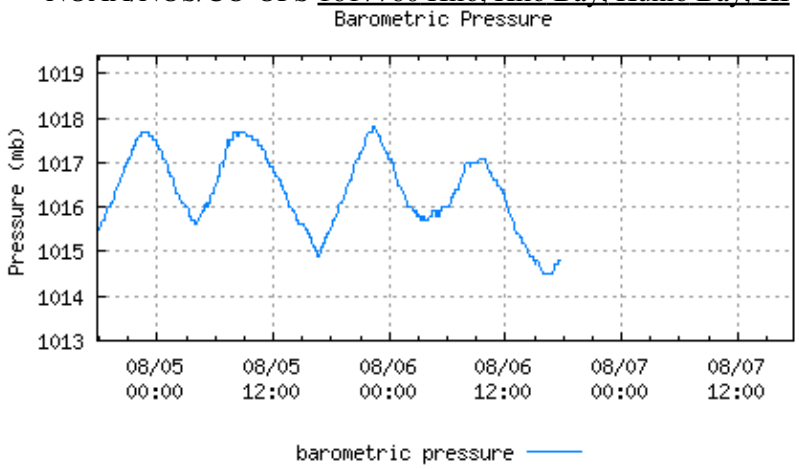
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/06/2014 17:42 (HST)

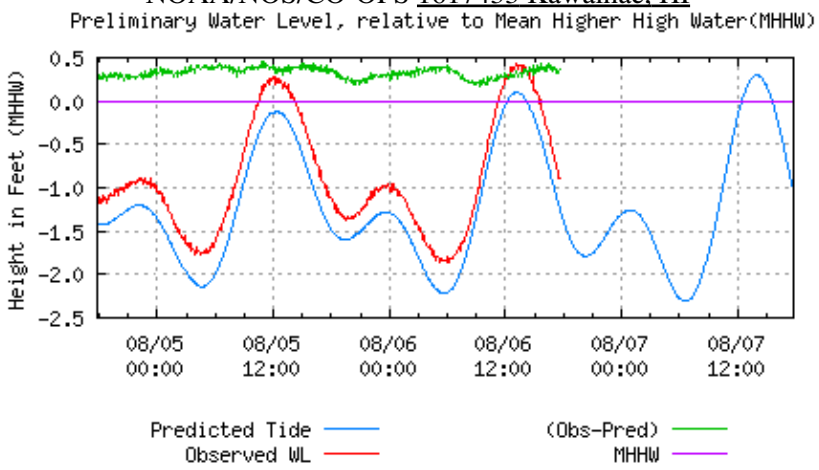
Wind Speed: 5 knots Gusts: 10 knots Direction: 59° T

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



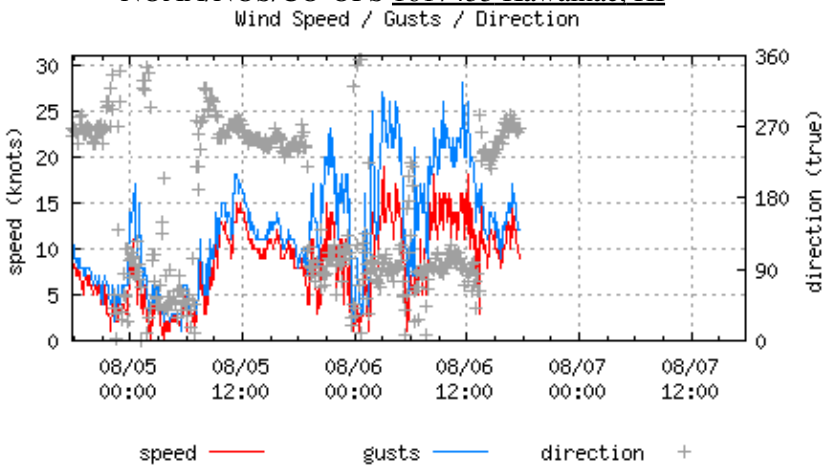
Last Observed Sample: 08/06/2014 17:42 (HST)
Barometric Pressure: 1014.8 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



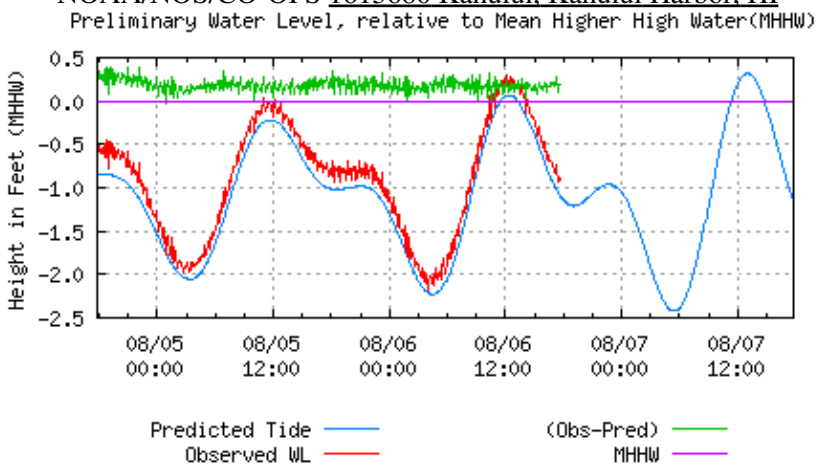
Last Observed Sample: 08/06/2014 17:42 (HST). Data relative to MHHW
Observed: -0.88 ft. Predicted: -1.28 ft. Residual: 0.40 ft.
Historical Maximum Water Level: Dec 13 2008, 1.22 ft.
Next High Tide: 08/07/2014 00:54 (HST), -1.26 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



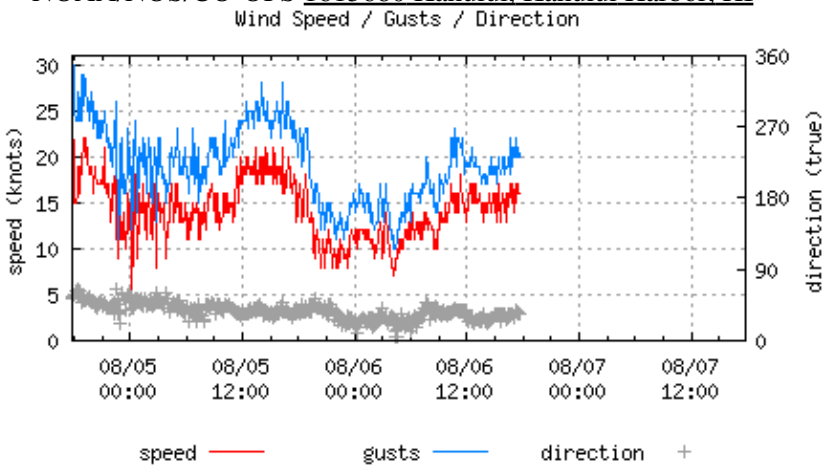
Last Observed Sample: 08/06/2014 17:42 (HST)
Wind Speed: 8 knots Gusts: 11 knots Direction: 257° T

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



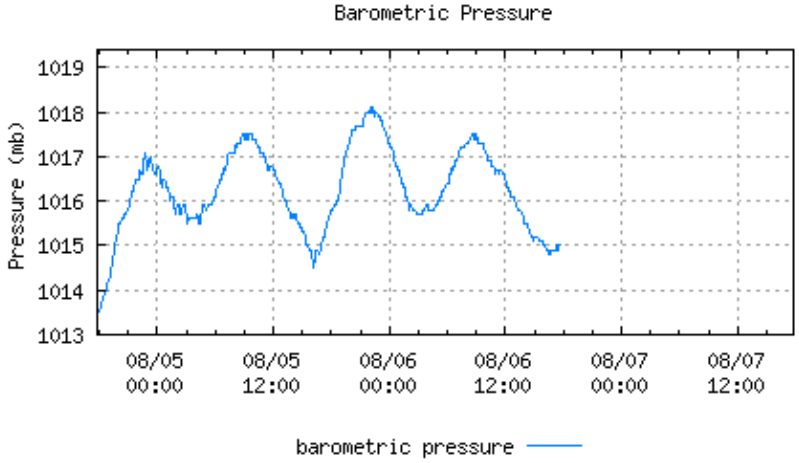
Last Observed Sample: 08/06/2014 17:42 (HST). Data relative to MHHW
Observed: -0.91 ft. Predicted: -1.10 ft. Residual: 0.19 ft.
Historical Maximum Water Level: Dec 20 1968, 1.23 ft.
Next High Tide: 08/06/2014 22:45 (HST), -0.96 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



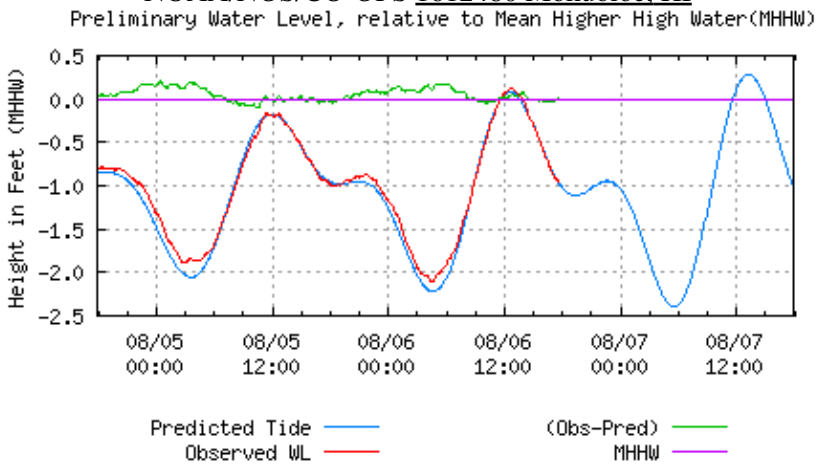
Last Observed Sample: 08/06/2014 17:42 (HST)
Wind Speed: 15 knots Gusts: 19 knots Direction: 29° T

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 08/06/2014 17:42 (HST)
Barometric Pressure: 1015.0 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



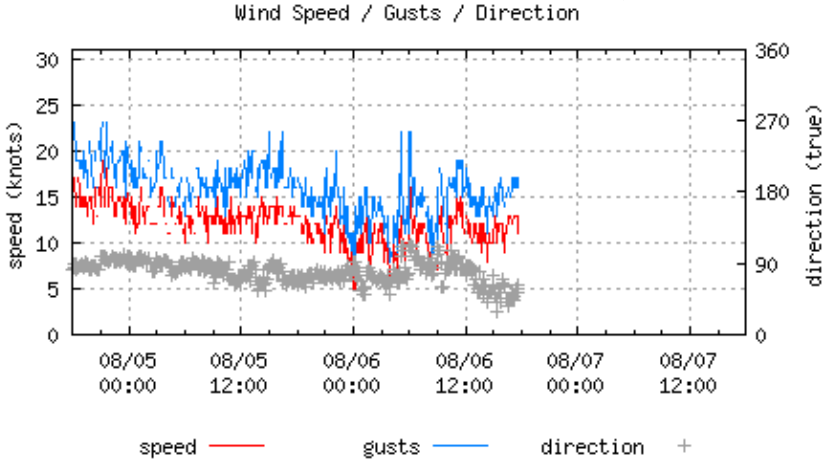
Last Observed Sample: 08/06/2014 17:36 (HST). Data relative to MHHW

Observed: -0.96 ft. Predicted: -0.97 ft. Residual: 0.01 ft.

Historical Maximum Water Level: Jan 8 1974, 1.46 ft.

Next High Tide: 08/06/2014 22:39 (HST), -0.94 ft.

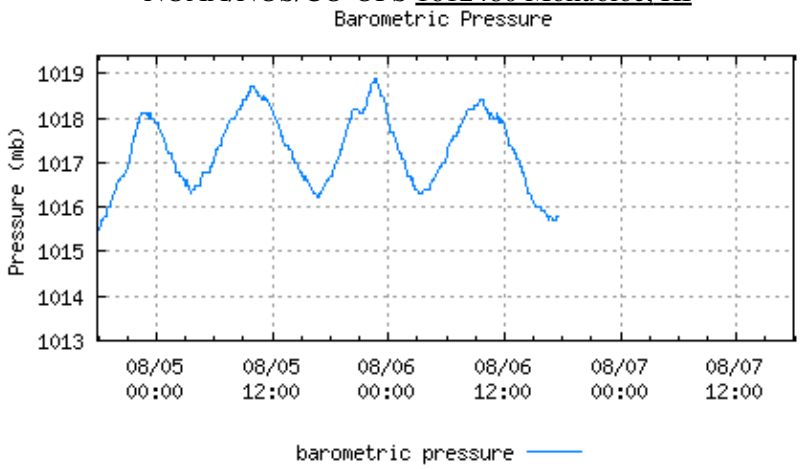
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/06/2014 17:36 (HST)

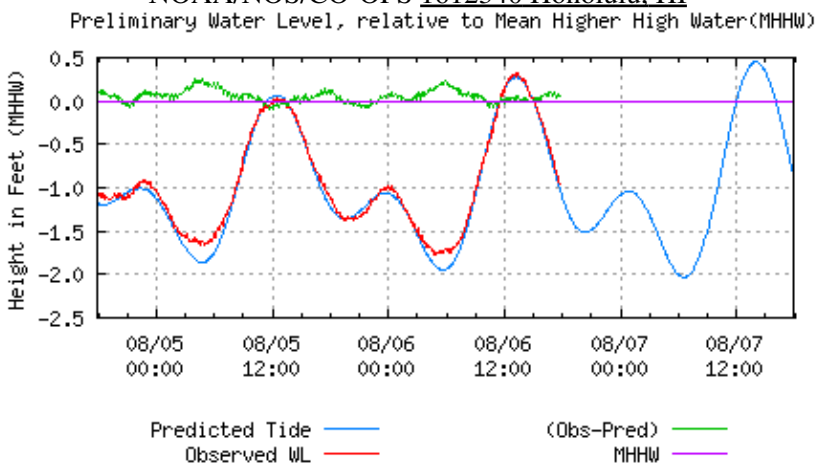
Wind Speed: 11 knots Gusts: 16 knots Direction: 52° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



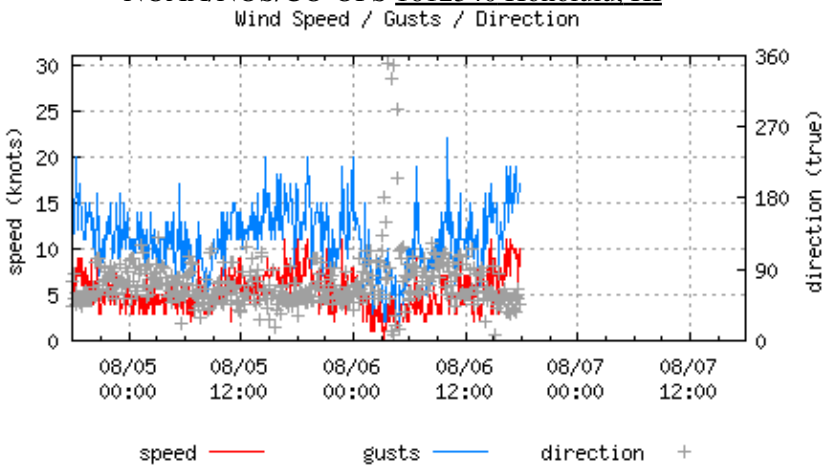
Last Observed Sample: 08/06/2014 17:36 (HST)
Barometric Pressure: 1015.8 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/06/2014 17:42 (HST). Data relative to MHHW
Observed: -0.96 ft. Predicted: -1.02 ft. Residual: 0.06 ft.
Historical Maximum Water Level: Feb 14 1967, 1.49 ft.
Next High Tide: 08/07/2014 00:51 (HST), -1.04 ft.

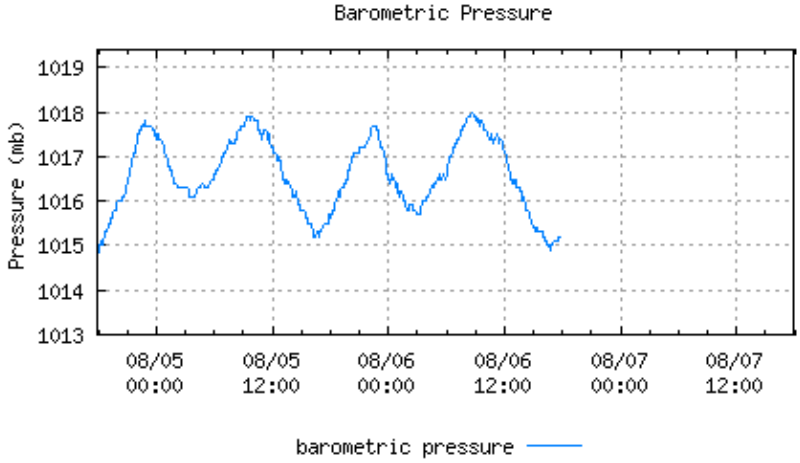
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/06/2014 17:42 (HST)

Wind Speed: 10 knots Gusts: 17 knots Direction: 47° T

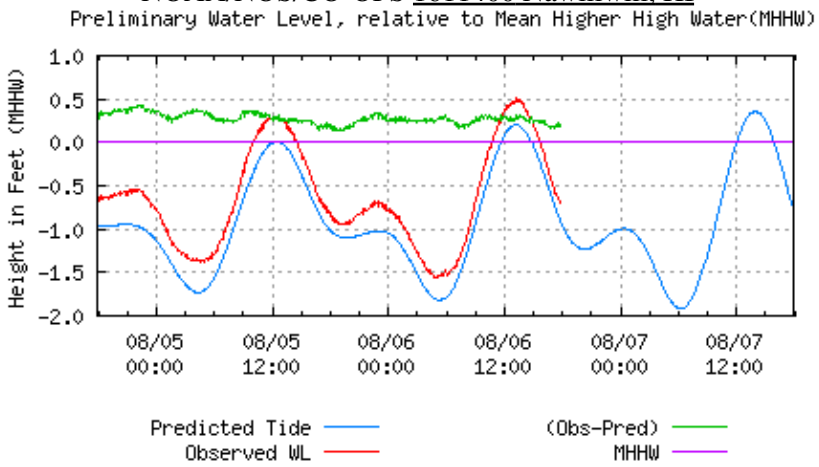
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/06/2014 17:42 (HST)

Barometric Pressure: 1015.2 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/06/2014 17:42 (HST). Data relative to MHHW

Observed: -0.70 ft. Predicted: -0.89 ft. Residual: 0.19 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 08/07/2014 00:21 (HST), -0.99 ft.

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/06/2014 17:42 (HST)	-1.17 ft	-1.38 ft	0.21 ft	0.49 ft
1617433	Kawaihae, HI	08/06/2014 17:42 (HST)	-0.88 ft	-1.28 ft	0.40 ft	0.44 ft
1615680	Kahului, Kahului Harbor, HI	08/06/2014 17:42 (HST)	-0.91 ft	-1.10 ft	0.19 ft	0.31 ft
1612480	Mokuoloe, HI	08/06/2014 17:36 (HST)	-0.96 ft	-0.97 ft	0.01 ft	0.13 ft
1612340	Honolulu, HI	08/06/2014 17:42 (HST)	-0.96 ft	-1.02 ft	0.06 ft	0.33 ft
1611400	Nawiliwili, HI	08/06/2014 17:42 (HST)	-0.70 ft	-0.89 ft	0.19 ft	0.52 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce